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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/724,719	12/02/2003	Yen-Kun Chen	176-98	2207
23117	7590	07/11/2005	EXAMINER	
NIXON & VANDERHYE, PC 901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203				GALL, LLOYD A
		ART UNIT		PAPER NUMBER
		3676		

DATE MAILED: 07/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/724,719	CHEN, YEN-KUN	
	<b>Examiner</b>	<b>Art Unit</b>	
	Lloyd A. Gall	3676	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_.
- 2a) This action is FINAL.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_ is/are allowed.
- 6) Claim(s) 1-13 is/are rejected.
- 7) Claim(s) \_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 02 December 2003 is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_.

## DETAILED ACTION

At the outset, it is noted from the Declaration that foreign priority is not being claimed from the foreign document.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Gallenschutz et al.

Gallenschutz teaches a security revolving door having a shaft at 6, arc-shaped lateral walls 2, 3, a plurality of door wings 7, 8, 9, door wings 7 and 8 in fig. 2 defining a trap space with wall 2 when wings 7 and 8 are in first and second positions as seen in fig. 2, and a control unit 24, 25, 40, 46 as set forth in column 7, lines 35-54 to stop rotation of the door wings when the trap space is defined.

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Pace.

Pace teaches a security revolving door having a shaft 3, plural door wings 50, lateral walls 7, 8, a trap space defined between the door wings and the lateral walls 7, 8 when first and second door wings reach first and second positions, a top plate 15, and a controlling unit 18, 24, 23, 42 which stops the door wing rotation when the trap space is defined including holes 18 and a solenoid plunger 24 and spring 28 sleeved on the plunger, and a stationary seat 11 as seen in fig. 3.

Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by

Blackston et al.

Blackston teaches a security revolving door including a shaft 12, plural door wings 14 which include first and second door wings which cooperate with lateral walls 20, 22 when first and second door wings are in a first and second position to define a trap space, a control unit 340A, 340B, 342, 344, 346 which stops the door wing rotation when the trap space is defined as set forth in column 5, line 55 through column 6, line 22, with portions 340A and 340B defining sensors of a position detecting unit, a stationary seat 34, a drive unit 322 and transmission mechanism 39, 43, and a standby position as set forth in column 6, lines 1-11, .

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 3-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Blackston et al in view of Pace.

Blackston and Pace have been discussed above. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the door stopping mechanism of column 5, line 63 of Blackston to include a top plate with holes to receive a solenoid plunger, in view of the teaching of Pace, the motivation being to prevent a thief from exiting the door apparatus through manual rotation of the door apparatus.

Claims 7-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Blackston et al in view of Pace as applied to claim 6 above, and further in view of Gallenschutz et al.

Pace also teaches a second solenoid plunger 32, 34 to cooperate with the first solenoid plunger 24. Gallenscutz teaches a downwardly directed plunger 24, 25 as seen in fig.

5. It would have been obvious to one of ordinary skill in the art at the time the invention was made to substitute a downwardly directed plunger for the solenoid plunger of Blackston as modified by Pace, in view of the teaching of Gallenschutz, the motivation being to allow gravity to assist in locking the doors with the plunger. With respect to claim 8, to provide a spring for the second plunger of Blackston as modified by Pace, would have been obvious in view of the teaching of a spring 28 of Pace, the motivation being to prevent the second plunger from being inadvertently moved from its first plunger engaging position of fig. 2.

Claims 12 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Blackston et al in view of Pace as applied to claim 3 above, and further in view of Miller et al.

Miller et al teaches that it is well known to utilize a light sensor 18, 20 and a reflector plate 19 or as set forth in column 4, line 5 on the door leaves. It would have been obvious to one of ordinary skill in the art at the time the invention was made to substitute a light sensor and reflector plate for the sensor 340A, 340B, 342, 344, 346 of Blackston, in view of the teaching of Miller et al, since light and other position sensors are well known to be interchangeable.

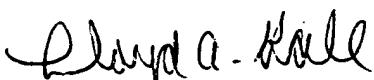
The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lloyd A. Gall whose telephone number is 571-272-7056. The examiner can normally be reached on Monday-Friday, 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Glessner can be reached on 571-272-6843. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LG LG  
July 06, 2005

  
Lloyd A. Gall  
Primary Examiner